Journal of Electron Spectroscopy and Related Phenomena, 57 (1991) 409
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Adnot, A. 47
Aebi, P. 165
Atrei, A. 99

Bajuk, L. 317
Baran, E.J. 189
Bardi, U. 99
Barry, A.O. 47
Baschenko, O.A. 33, 297
Beamson, G. 79
Briggs, D. 79
Brion, C.E. 117

Castellani, N.J. 103
Cauletti, C. R1
Chasse, Th. 1
Chen, X. 331
Chin, W.S. 213
Clark, D.T. 79
Cockett, M.C.R. 373

Deville, J.P. 91
De Simone, M. R1
De Witte, R.S. 165
Dyke, J.M. 373

Ebel, H. 15, 357
Ebel, M.F. 15, 357

Fadley, C.S. 223
Fellenberg, R. 1
Ferrer, E.G. 189
Foote, M.C. 317
Franke, R. 1
French, C.L. 165
Friedman, D.J. 223

Han, Z.-L. 331
Harp, G.R. 331
Hitchcock, A.P. 137, 165
Huang, H.H. 213
Hunt, B.D. 317

Kaduwela, A.P. 223
Kaliaguine, S.C. 47
Kendrick, J. 79
Knozinger, H. 307

Lange, F. 307
Leroy, D.B. 103
Luo, B.P. 285

Margaritondo, G. 199
Marsi, M. 199
Mok, C.Y. 213
Morgner, H. 61

Nesmeev, A.E. 33
Nyulaszi, L. 373

Oakley, R.T. 165
Oberbrodhage, J. 61
Ogenko, V.M. 279

Piancastelli, M.N. 199
Puchberger, C. 357
Puckrin, E. 207

Raiser, D. 91
Richter, K. 61
Riedl, B. 47
Roth, K. 61
Rovida, G. 99
Rozenbaum, V.M. 279
Ruhl, E. 137

Saldin, D.K. 331
Schmelz, H. 307
Slavin, A.J. 207
Stranges, S. R1
Streubel, P. 1
Svagera, R. 15, 357
Szargan, R. 1
Sze, K.H. 117

Tonner, B.P. 331

Van Esbroeck, J.M. 165
Varga, P. 15
Vasquez, R.P. 317
Veszpremi, T. 373

Wen, A.T. 137
Westwood, N.P.C. 165
Winklmayr, E. 15
Wright, T.G. 373

Zanoni, R. 199
Zeitler, E. 285

Journal of Electron Spectroscopy and Related Phenomena, 57 (1991) 411–412
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Arsenic oxides
An X-ray photoelectron spectroscopy study of oxides of arsenic supported on TiO_2 307
Attenuation lengths
On the energy dependence of attenuation lengths in hydrocarbon contaminations 357

η^5-$C_5H_5Co(CO)_2$
Inner-shell excitation of η^5-$C_5H_5Co(CO)^2$ and related compounds studied by gas phase electron energy loss spectroscopy 137
$C_6H_4S_2N_2$
A valence- and inner-shell electronic and photoelectron spectroscopic study of the frontier orbitals of 2,1,3-benzothiadiazole, $C_6H_4SN_2$, 1,3,2,4-benzodithiadiazine, $C_6H_4S_2N_2$, and 1,3,5,2,4-benzotrithiadiazepine, $C_6H_4S_3N_2$ 165
$C_6H_4S_3N_2$
A valence- and inner-shell electronic and photoelectron spectroscopic study of the frontier orbitals of 2,1,3-benzothiadiazole, $C_6H_4SN_2$, 1,3,2,4-benzodithiadiazine, $C_6H_4S_2N_2$, and 1,3,5,2,4-benzotrithiadiazepine, $C_6H_4S_3N_2$ 165
$C_6H_4SN_2$
A valence- and inner-shell electronic and photoelectron spectroscopic study of the fronier orbitals of 2,1,3-benzothiadiazole, $C_6H_4SN_2$, 1,3,2,4-benzodithiadiazine, $C_6H_4S_2N_2$, and 1,3,5,2,4-benzotrithiadiazepine, $C_6H_4S_3N_2$ 165
Chemical state information
Chemical state information from photoelectron and Auger electron lines—investigation of potential and relaxation effects of solid silicon and phosphorus compounds 1
Chemiionization reactions
A study of some gas-phase lanthanide plus oxidant chemiionization reactions with chemielectron spectroscopy 373
Chemithermomechanical pulp
X-ray photoelectron spectroscopy of chemithermomechanical pulp grafted with polyacrylonitrile 47
Concentration profiles
A comparison of two XPS methods for quantification of concentration profiles 15
Photoelectron mean free path chemical composition dependence and elastic scattering and analyzer acceptance angle finiteness effects in restoring concentration profiles from angular resolved X-ray photoelectron spectroscopy data 297
Core hole screening
Core hole screening in oxides and screening variations due to oxidation of elements 103
Cyclopropane
Inner-shell and valence-shell electronic excitation of cyclopropane and ethylene oxide by high resolution electron energy loss spectroscopy 117

Depth-profiling
The effect of elastic photoelectron scattering on depth-profiling by angular resolved X-ray photoelectron spectroscopy 33
Dipole glass
Vibrational spectra of surface hydroxyl groups in various phases including dipole glass 279

Escape probability
The geometric factor in the angle-integrated escape probability in electron spectroscopy 207
Ethylene oxide
Inner-shell and valence-shell electronic excitation of cyclopropane and ethylene oxide by high resolution electron energy loss spectroscopy 117

Ferrocene
Organometallic adsorption on semiconductors: a synchrotron radiation photoemission study of ferrocene and nickelocene on Si (111) 2×1 199

Gadolinium compounds
Study of XPS photoemission of some gadolinium compounds 91
Gas-liquid phase transition shift
The gas-liquid phase transition shift at surfaces: experimental method and interpretation 61

Hydrocarbon contaminations
On the energy dependence of attenuation lengths in hydrocarbon contaminations 357
Hydrocarbon polymers
Observation of vibrational asymmetry in the high resolution monochromatized XPS of hydrocarbon polymers 79

M-shell cross-sections
M-shell cross-sections for fast electron inelastic collisions based on photoabsorption data 285
Multiple scattering approach
Application of a novel multiple scattering approach to photoelectron diffraction and Auger electron diffraction 223

Ni_3Al alloy
Low pressure oxidation of the Ni_3Al alloy: a structural study by surface extended energy loss fine structure 99
Nickelocene
Organometallic adsorption on semiconductors: a synchrotron radiation photoemission study of ferrocene and nickelocene on Si (111) 2×1 199
Nitroalkanes
He(I) and He(II) photoelectron spectra of simple nitroalkanes 213

Oxides
Core hole screening in oxides and screening variations due to oxidation of elements 103

Phosphorus
Chemical state information from photoelectron and Auger electron lines—investigation of potential and relaxation effects of solid silicon and phosphorus compounds 1
Photoemission holography
The effects of various experimental parameters on the accuracy of photoemission holography 331
Polyacrylonitrile
X-ray photoelectron spectroscopy of chemithermomechanical pulp grafted with polyacrylonitrile 47

Semiconductors
Organometallic adsorption on semiconductors: a synchrotron radiation photoemission study of ferrocene and nickelocene on Si (111) 2×1 199

Silicon
Chemical state information from photoelectron and Auger electron lines—investigation of potential and relaxation effects of solid silicon and phosphorus compounds 1
$SnCl_2$
Electronic structure of $SnCl_2$ by HeI and HeII gas-phase photoelectron spectroscopy and pseudo-potential calculations R1
Surface hydroxyl groups
Vibrational spectra of surface hydroxyl groups in various phases including dipole glass 279

TiO_2
An X-ray photoelectron spectroscopy study of oxides of arsenic supported on TiO_2 307

Vanadyl(IV) tetraphenylporphyrin
Electronic and photoelectron spectra of vanadyl(IV) tetraphenylporphyrin 189

$YBa_2Cu_3O_{7-\delta}$
Valence bond and Ba core level study of chemically-etched $YBa_2Cu_3O_{7-\delta}$ 317